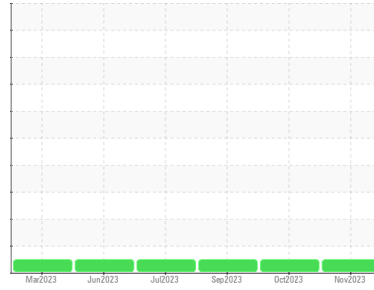


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
FORD 616 (S/N 1FM5K8ARZEGC13893)

Component
Gasoline Engine

Fluid
PETRO CANADA SUPREME 5W20 MOTOR OIL (6 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	PCA0105357	PCA0105343	PCA0100392	
Sample Date	Client Info	07 Nov 2023	05 Oct 2023	01 Sep 2023	
Machine Age	mls	Client Info	111949	110256	108017
Oil Age	mls	Client Info	1693	2239	2126
Oil Changed	Client Info	Changed	N/A	Changed	
Sample Status		NORMAL	NORMAL	NORMAL	

CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >4.0	<1.0	<1.0	<1.0
Water	WC Method >0.2	NEG	NEG	NEG
Glycol	WC Method	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >150	4	3	4
Chromium	ppm ASTM D5185m >20	<1	1	0
Nickel	ppm ASTM D5185m >5	<1	<1	0
Titanium	ppm ASTM D5185m	<1	<1	<1
Silver	ppm ASTM D5185m >2	0	0	0
Aluminum	ppm ASTM D5185m >40	2	4	<1
Lead	ppm ASTM D5185m >50	<1	0	<1
Copper	ppm ASTM D5185m >155	3	3	2
Tin	ppm ASTM D5185m >10	0	0	<1
Vanadium	ppm ASTM D5185m	0	0	0
Cadmium	ppm ASTM D5185m	<1	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 183	68	36	41
Barium	ppm ASTM D5185m 0	9	0	0
Molybdenum	ppm ASTM D5185m 36	70	68	65
Manganese	ppm ASTM D5185m 0	<1	0	<1
Magnesium	ppm ASTM D5185m 417	526	528	568
Calcium	ppm ASTM D5185m 1318	1247	1167	1297
Phosphorus	ppm ASTM D5185m 773	734	661	723
Zinc	ppm ASTM D5185m 845	841	851	916
Sulfur	ppm ASTM D5185m 2690	3061	3173	2971

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >30	22	18	16
Sodium	ppm ASTM D5185m >400	3	5	5
Potassium	ppm ASTM D5185m >20	2	1	1

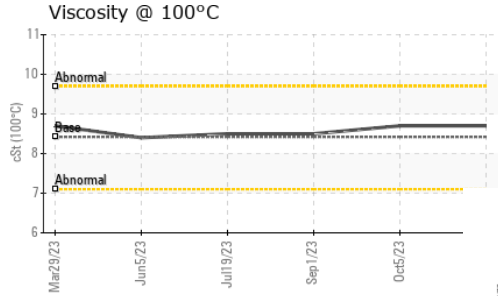
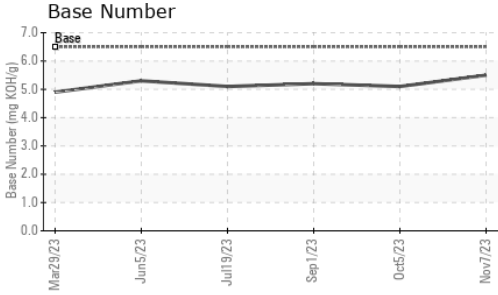
INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844	0	0	0
Nitration	Abs/cm *ASTM D7624 >20	7.7	8.3	8.8
Sulfation	Abs/.1mm *ASTM D7415 >30	18.6	19.2	19.3

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	14.0	15.2	15.8
Base Number (BN)	mg KOH/g ASTM D2896 6.5	5.5	5.1	5.2

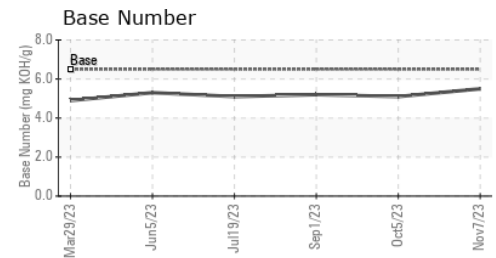
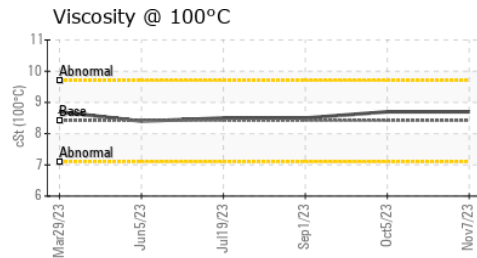
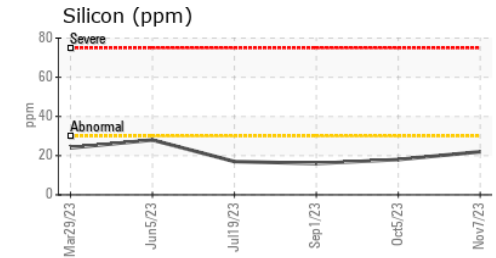
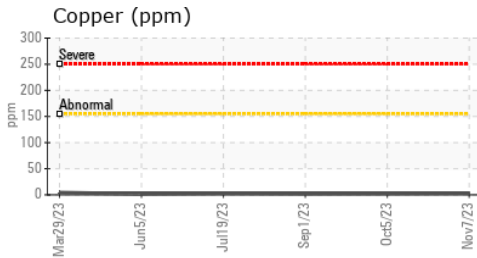
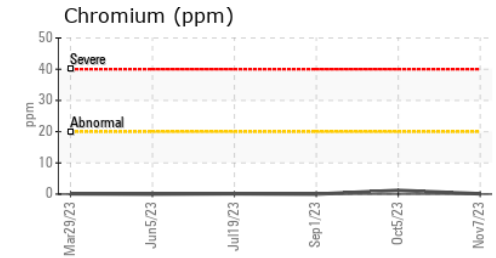
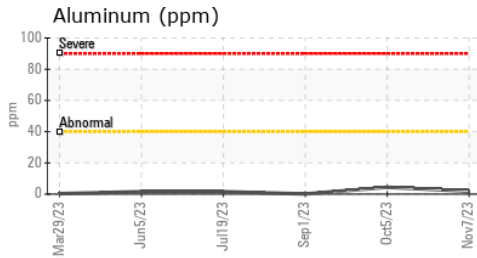
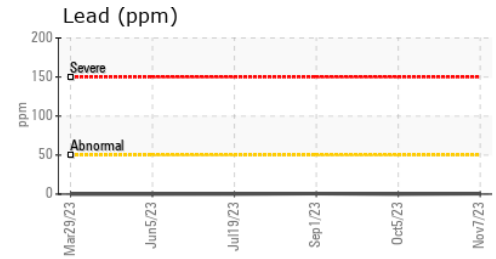
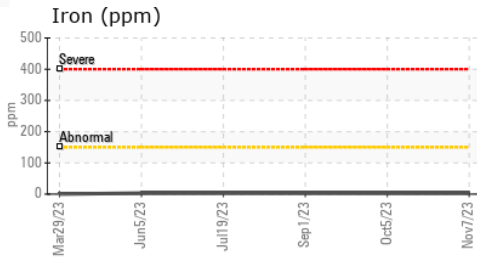
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	8.42	8.7	8.5

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : PCA0105357 Received : 20 Nov 2023
 Lab Number : 06013199 Diagnosed : 21 Nov 2023
 Unique Number : 10752343 Diagnostician : Wes Davis
 Test Package : MOB 1 (Additional Tests: TBN)

VILLAGE OF NORTH RIVERSIDE
 2345 S DESPLAINES
 NORTH RIVERSIDE, IL
 US 60546
 Contact: Service Manager
 vznrdpw@gmail.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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F: